



Pediatric Examination Table

For models:
640 (all)



MA7809



User's Guide

003-1752-00 (Rev A)

Product Information

(The information below is required when calling for service)

Dealer [name / phone]:

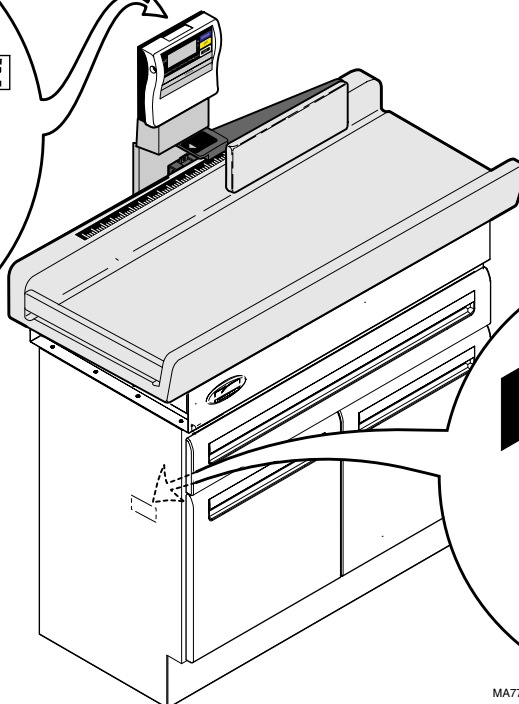
Date of Purchase:

Model / Serial Number:

**Midmark Authorized Service
Company** [name / phone]:

**Digital Scale
Model / Serial
Number Location**

YAMATA DIGITAL SCALE 5000-000A CLASS II
TEMP. RANGE 0-25°C CAP. 2000g/0.1mg
MFG. 0.25g 0.001g/0.1mg
AS-000 SERIAL NO. 0000 MADE IN JAPAN



**640 Table
Model / Serial
Number Location**

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Important Information

Safety Instructions

Digital Scale Accuracy



DANGER

When dispensing medication based on patient weight, the accuracy of the scale is critical. Before using the digital scale, refer to *Digital Scale: Verifying Scale Accuracy* later in this manual. In addition, refer to the *Preventive Maintenance Schedule* for the recommended frequency of this check. If the scale is determined to be out of calibration, contact your authorized Midmark service provider before using the scale.



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Safety Symbols & Labels



DANGER

Indicates an imminently hazardous situation which will result in serious or fatal injury if not avoided. This symbol is used only in the most extreme conditions.



WARNING

Indicates a hazardous situation which could result in serious injury if not avoided.



CAUTION

Indicates a potentially hazardous situation which could result in minor or moderate injury if not avoided. It may also be used to alert against unsafe practices.



Equipment Alert

Indicates a potentially hazardous situation which could result in equipment damage if not avoided.

Note

Amplifies a procedure, practice, or condition.



Consult User Guide
for important information.



Keep dry



Proper shipping orientation



Maximum stacking height
(**palletted** units)



Fragile



Temperature limits for storage of product

Intended Use

This table is intended to be used by medical professionals during general examinations, observation, and non-invasive procedures of infants / children (*ex. measuring & weighing*).

(Note: The patient on the table must be attended by doctor / assistant or parent at all times).

Calling For Service

Note

Model / serial number information is required when calling for service.

If service is required, contact your Midmark dealer. To contact Midmark directly:

1-800-Midmark (1-800-643-6275) or 937-526-3662
8:00 am until 5:00 pm. Monday through Friday (EST)
[excluding standard U.S. holidays]

Authorized CE Representative

Countries in the EEC should direct all questions, incidents, and complaints to Midmark's Authorized CE representative listed below:

Promotal
22, Rue De St. Denis
53500 Ernee,
FRANCE
Phone: 33-2-430-517-76
Fax: 33-2-430-569-10

Transportation / Storage Conditions



Equipment Alert

The Tanita digital scale is a delicately adjusted precision instrument. Avoid excessive shock / vibration. Scale should not be exposed to direct sunlight or located near a heat source. If scale is moved to a location with a temperature difference of 68°F (20°C) or more, allow scale to acclimate for two hours before using.

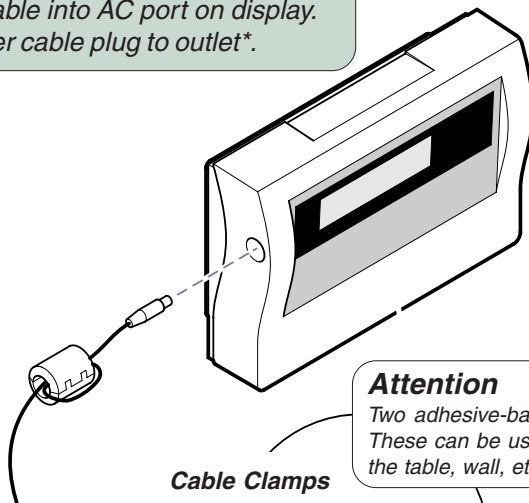
Ambient Temperature Range:-4°F to +104°F (-20°C to 40°C)
Relative Humidity 10% to 90% (non-condensing)
Atmospheric Pressure 500hPa to 1060hPa (0.49atm to 1.05atm)
Extended Storage Remove batteries from digital scale

Installation

Digital Scale: AC Adapter Cable Connection

To connect AC adapter cable...

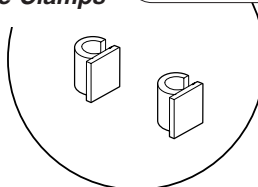
- A. Plug adapter cable into AC port on display.
- B. Connect adapter cable plug to outlet*.



Attention

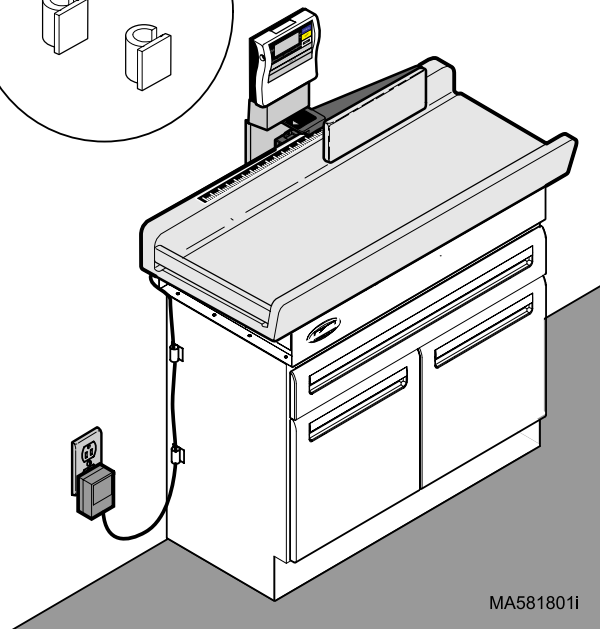
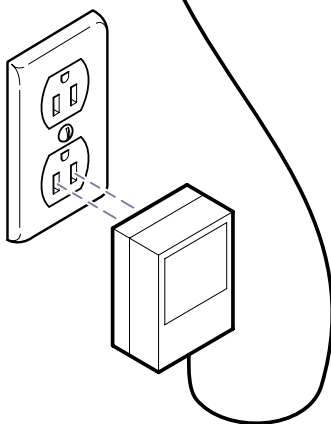
Two adhesive-backed cable clamps are provided. These can be used to secure the adapter cable to the table, wall, etc. (see illustration below).

Cable Clamps



*Electrical Requirements

120VAC, 60 Hz, 5W

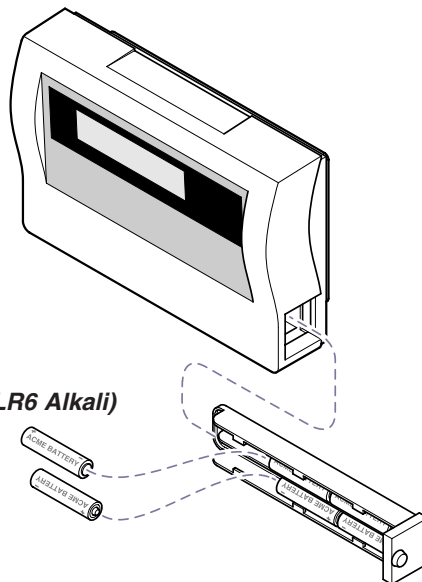


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Digital Scale: Battery Installation

To install batteries...

- A. Loosen thumbscrew & remove battery box.
- B. Install six AA (LR6 Alkali) batteries.
(Position as indicated on battery box).
- C. Install battery box, then tighten thumbscrew.



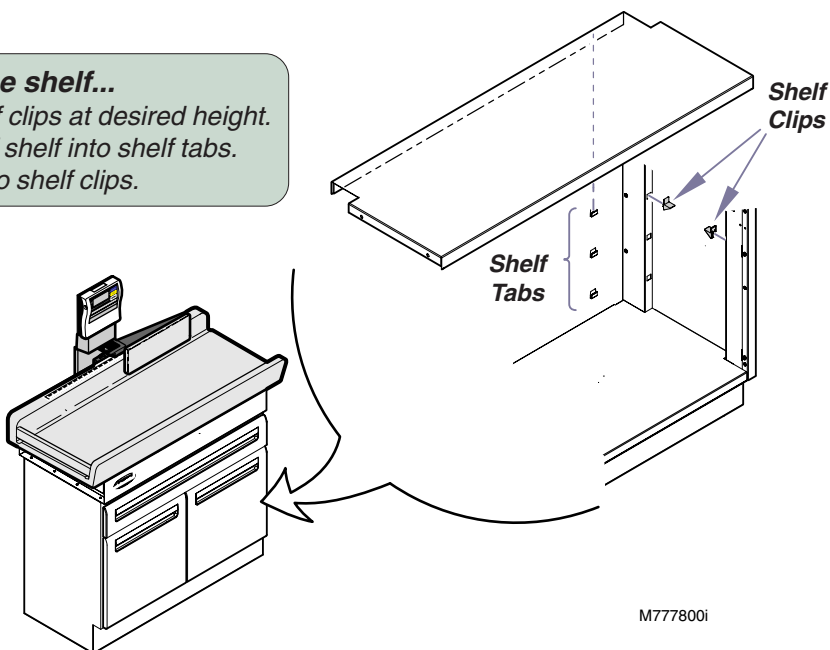
Battery Size: AA (LR6 Alkali)
Quantity: six (6)

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Storage Shelf

To install storage shelf...

- A. Install four shelf clips at desired height.
- B. Latch rear lip of shelf into shelf tabs.
- C. Lower shelf onto shelf clips.



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Operation

Digital Scale: Weighing a Patient

Attention!

Refer to: **Safety Instructions: Digital Scale Accuracy** before using the scale.



CAUTION

The maximum patient weight rating for the table is 40 lbs (20 kg).

The maximum patient height (length) rating for the table is 36 in. (91 cm).

The patient on the table must be attended by the doctor / assistant or parent at all times.



Step 1: Press **ON / ZERO** button.

Display: Flashes "**8.8.8.8.8**", then shows "**0.0**"
Arrow appears beside **CENTER ZERO**
(indicates scale is zeroed and ready for use).

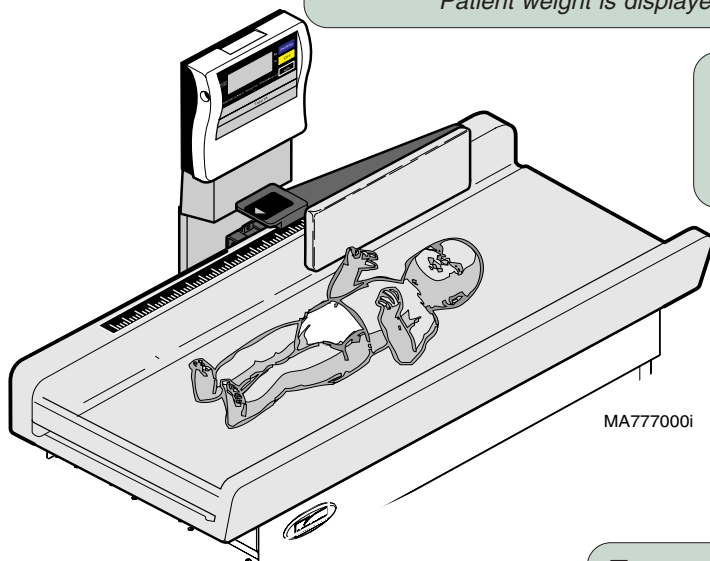
Step 2: Press **lb • oz / kg** button to change the unit of measure.

Display: Arrow appears beside selected unit (**lb • oz / kg**).

Digital Scale: Weighing a Patient - continued

Step 3: Position patient in the center of the table top.
Limit movement until **WEIGHT LOCK** arrow appears.

Display: Arrow appears beside **WEIGHT LOCK**
(indicates weight has been measured & locked in).
Patient weight is displayed (example: 8 lbs 10 oz).



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To weigh another patient...

- A. Remove patient from table.
- B. Allow display to return to "0.0".
- C. Place next patient on table top.

To turn scale OFF...

Press **OFF** button.

(NOTE: Scale will automatically turn OFF
if the same reading is displayed for 20 minutes.)

WEIGHT LOCK



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Measuring Patient Height / Length



CAUTION

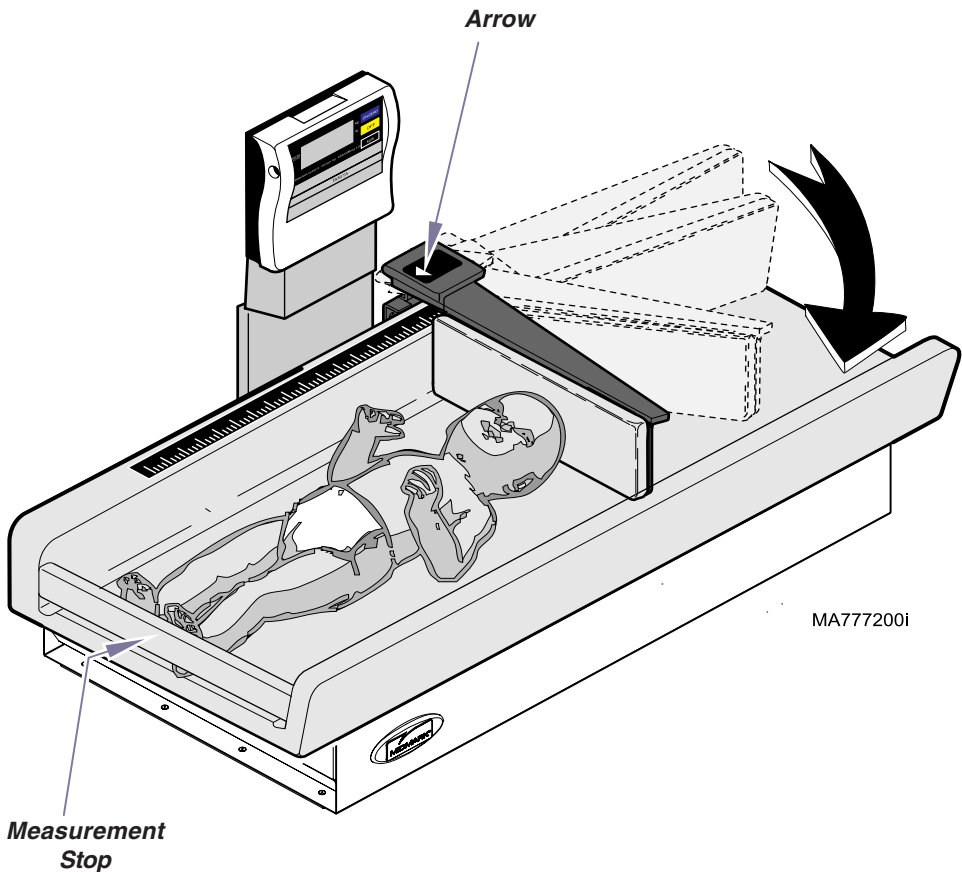
The maximum patient weight rating for the table is 40 lbs (20 kg).

The maximum patient height (length) rating for the table is 36 in. (91 cm).

The patient on the table must be attended by the doctor / assistant or parent at all times.

To measure patient height / length...

- Lay patient on table with feet against measurement stop and legs extended.
- Pivot measuring arm out as shown.
- Carefully slide scale arm until it contacts patient's head.
- Read the measurement at arrow on scale arm.



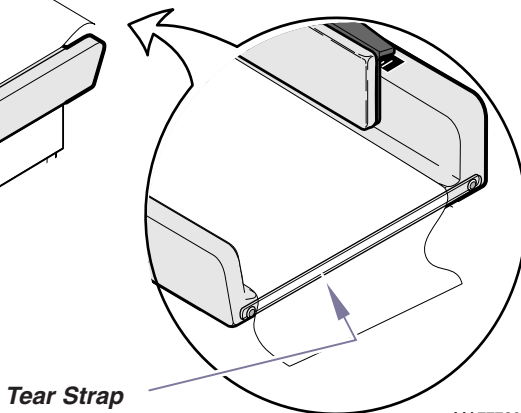
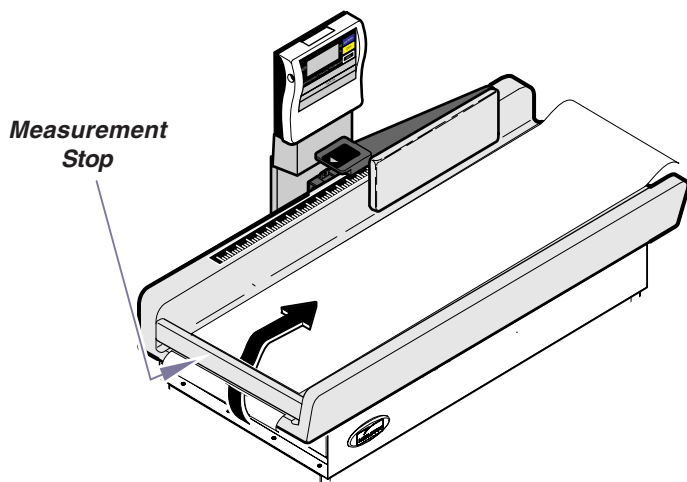
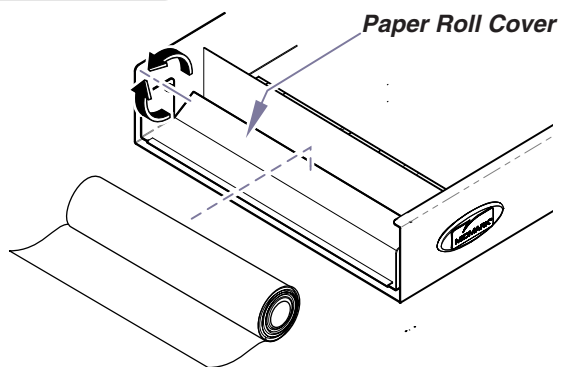
MA777200i

Paper Roll

Paper Roll Size (max.) 14 in. long x 3 in. diameter
(35.6 cm x 7.6 cm)

To install the paper roll...

- A. Pivot paper roll cover down to open.*
- B. Install paper roll, then pivot cover up to hold roll in place.*
- C. Feed paper under measurement stop and over table top.*
- D. Feed paper under tear strap at opposite end of table.*



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Maintenance

Preventive Maintenance Schedule

Scheduled Maintenance 640 Pediatric Examination Table		
Interval	Inspection or Service	Service, Adjust, Repair, and / or Replace as Required
Daily	Cleaning	Clean upholstery with 5% bleach / water solution.
		Wipe painted metal & plastic surfaces with a clean soft cloth and mild cleaner. <i>(NOTE: Periodic application of common furniture wax will ease cleaning, and maintain the luster of the surfaces).</i>
	Obvious Damage	Visually inspect components for damage that could cause problems during operation or unsafe operation.
Weekly	Check accuracy of digital scale	Refer to: Digital Scale - Verifying Scale Accuracy (later in this manual)
Every two months	Check measuring arm alignment	Refer to: Measuring Arm Alignment (later in this manual)
Semi-Annually	Mechanical Operation	Check all mechanical functions for proper operation.
	Verify table is level	Place a level on table top. Adjust if necessary. Refer to: Leveling the Table (later in tis manual).
	Labels / Decals	Replace any missing or illegible labels.
	Lubricate	Lubricate moving parts with light machine oil.
	Hardware	All fasteners must be present and fastened securely.
Date of Service: ____/____/____ Location: Service Technician:		

Digital Scale: Verifying Scale Accuracy

Attention!

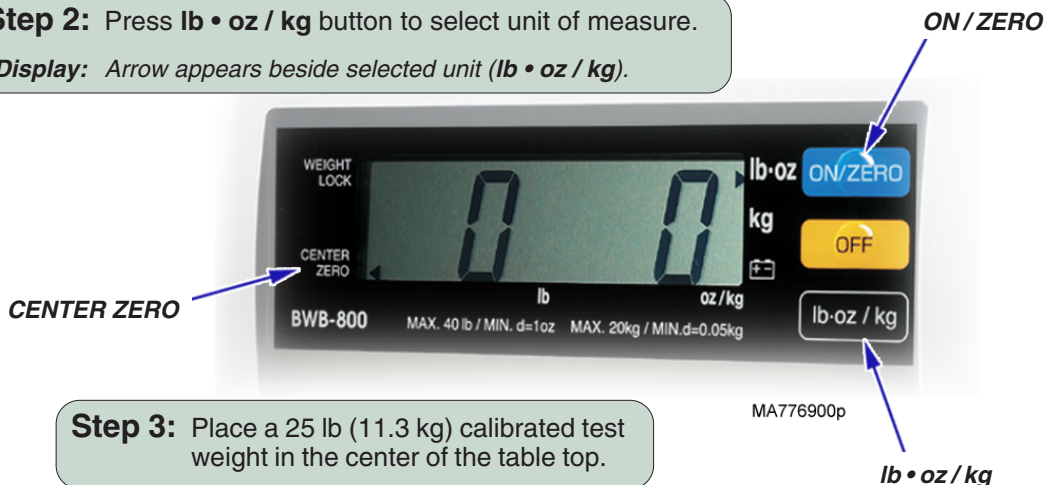
Refer to: **Safety Instructions: Digital Scale Accuracy** before using the scale.

Step 1: Press **ON / ZERO** button.

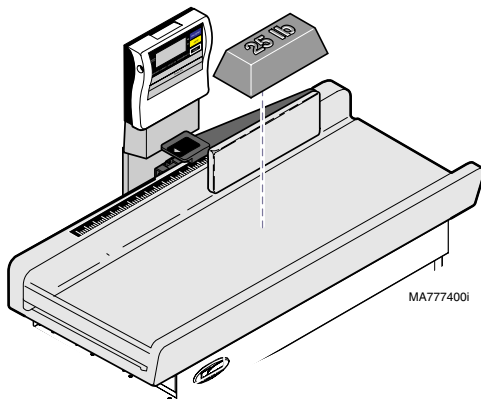
Display: Flashes "8.8.8.8.8", then shows "0.0"
Arrow appears beside **CENTER ZERO**
(indicates scale is zeroed and ready for use).

Step 2: Press **lb • oz / kg** button to select unit of measure.

Display: Arrow appears beside selected unit (**lb • oz / kg**).



Step 3: Place a 25 lb (11.3 kg) calibrated test weight in the center of the table top.



Step 4: The weight displayed should match the calibrated test weight.

Note: Allowable tolerance*: ± 2 oz (56 g)



* WARNING

If reading is out of tolerance...

Contact your authorized Midmark service provider.
Do not use scale until problem has been rectified.

Leveling the Table

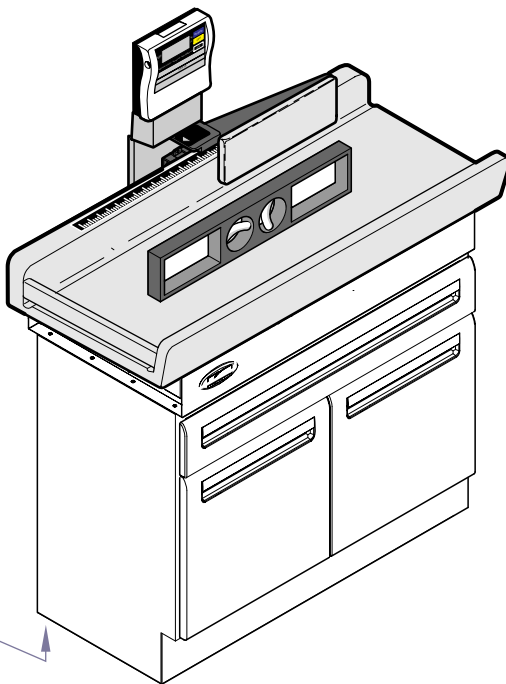


Equipment Alert

To ensure proper operation,
the table must be level.

To level the table...

- A. Place a level on table top.
- B. Adjust leveling feet until table is level.



Leveling Feet

Qty: 4 (located at each corner)

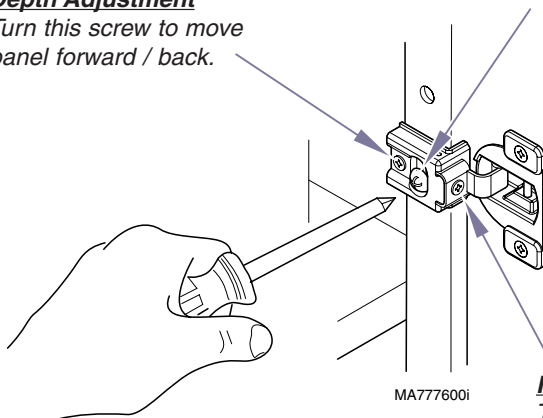
Door Adjustment

Depth Adjustment

Turn this screw to move
panel forward / back.

Vertical Adjustment

Loosen this screw on both hinges.
Move door up / down, then tighten screws.



Horizontal Adjustment

Turn this screw to move
panel side to side.

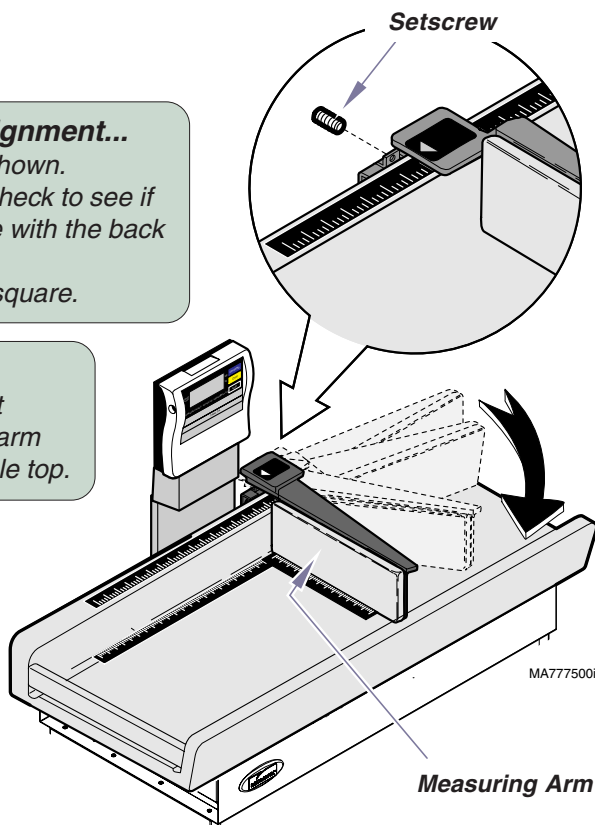
Measuring Arm Alignment

To check measuring arm alignment...

- A. Pivot measuring arm out as shown.
- B. Using a carpenter's square, check to see if the measuring arm is square with the back of the table top.
- C. If necessary, adjust arm until square.

To adjust measuring arm...

Using a 3/32" allen wrench, adjust setscrew in / out until measuring arm is square with the back of the table top.



Cleaning

Clean upholstery with 5% bleach/water solution.



Equipment Alert

The upholstery is resistant to most medicinal-type stains, but may be damaged by solvents and dyes. Immediately remove any fluids spilled on the upholstery.

Clean the table weekly, wiping the painted metal and plastic surfaces with a clean, soft cloth, and mild cleaners. Periodic applications of common furniture wax will ease cleaning and maintain the finished luster of the table.

Troubleshooting

Troubleshooting Guide 640 Pediatric Examination Table		
Problem	Possible Cause	Solution
<i>Measurement arm is not square with back of table top.</i>	Measurement arm out of alignment	Refer to: <i>Measuring Arm Alignment.</i>
<i>Length measurements seem inaccurate.</i>	Linear scale label is in wrong location.	Use a tape measure to verify proper position of the linear scale label in relation to the measurment stop. Reposition label if necessary.
<i>Weight measurements seem inaccurate.</i>	Digital scale is out of calibration	Refer to: <i>Digital Scale - Verifying Scale Accuracy</i>
<i>'Lo' is displayed on digital sacle readout</i>	Batteries in digital scale are low	Refer to: <i>Digital Scale: Battery Installation</i>

Specifications

Weights & Scale Specifications

Maximum Patient Weight: 40 lbs (18 kg)

Paper Roll (maximum size): 14 in. long x 3 in. diameter
(35.6 cm x 7.6 cm)

Weight of Table: 170 lbs (77 kg)

Digital Scale

Accuracy:

<i>Patients 0 to 18 lbs (0 to 8 kg)</i>	+1 oz (+28 g)
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Patients 18 to 40 lbs (8 to 18 kg)	+2 oz (+56 g)
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Minimum Increments: 1 oz (0.01 kg)

Type Measurement: Electrical Resistance Method

Power Source:

Batteries six (6) AA (LR6 Alkali)

AC Adapter Input: 120 VAC, 60 Hz, 5W

Output: 9 VDC, 200mA

Power Consumption: 0.25 Watts max.

Display: LCD w/ 1 in (25 mm) numerals

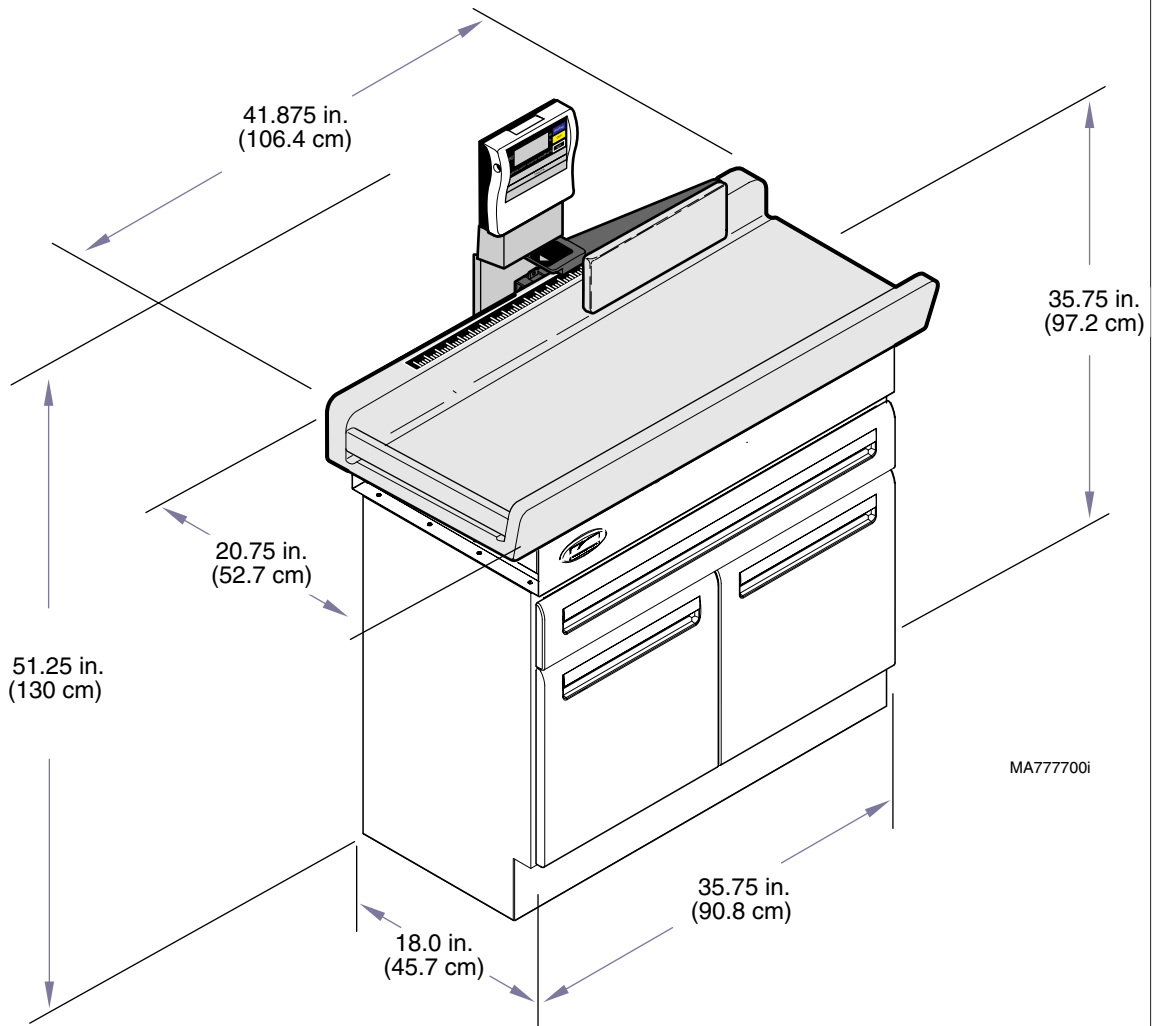
Linear Scale (*Measuring Arm*)

Accuracy: $\pm 1/8$ in. (± 3 mm)

Minimum Increments 1/8 in. (0.5 cm)

Table Dimensions: (Refer to: ***Dimensions*** on following page)

Dimensions



Warranty Information

Limited Warranty

SCOPE OF WARRANTY

Midmark Corporation ("Midmark") warrants to the original purchaser its new Alternate Care products and components (except for components not warranted under "Exclusions") manufactured by Midmark to be free from defects in material and workmanship under normal use and service. Midmark's obligation under this warranty is limited to the repair or replacement, at Midmark's option, of the parts or the products the defects of which are reported to Midmark within the applicable warranty period and which, upon examination by Midmark, prove to be defective.

APPLICABLE WARRANTY PERIOD

The applicable warranty period, measured from the date of delivery to the original user, shall be one (1) year for all warranted products and components.

EXCLUSIONS

This warranty does not cover and Midmark shall not be liable for the following: (1) repairs and replacements because of misuse, abuse, negligence, alteration, accident, freight damage, or tampering; (2) products which are not installed, used, and properly cleaned as required in the Midmark "Installation" and or "Installation / Operation Manual for this applicable product. (3) products considered to be of a consumable nature; (4) accessories or parts not manufactured by Midmark; (5) charges by anyone for adjustments, repairs, replacement parts, installation, or other work performed upon or in connection with such products which is not expressly authorized in writing in advance by Midmark.

EXCLUSIVE REMEDY

Midmark's only obligation under this warranty is the repair or replacement of defective parts. Midmark shall not be liable for any direct, special, indirect, incidental, exemplary, or consequential damages or delay, including, but not limited to, damages for loss of profits or loss of use.

NO AUTHORIZATION

No person or firm is authorized to create for Midmark any other obligation or liability in connection with the products.

THIS WARRANTY IS MIDMARK'S ONLY WARRANTY AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. MIDMARK MAKES NO IMPLIED WARRANTIES OF ANY KIND INCLUDING ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE. THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT OF DEFECTIVE PARTS.

SF-1487 REV. A1

DECLARATION OF CONFORMITY

MIDMARK CORPORATION



Midmark Corporation declares that **Models 640 (-001 / -002, -011 / -012)** conform to the applicable requirements of the Medical Device Directive 93/42/EEC, Annex VII.

640 (all) Serial Numbers: V2200 to present.

Authorized Representative

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Because we care.